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... Host-based intrusion detection systems can be further di- vided into two categories: signature-based schemes (ie, misuse detection) and anomaly detection. ...

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... In fact, it would have to increase at a ... stated in the introduction, approaches to intrusion detection can be divided into two major groups, signature-based and ...

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[muenchen.de](http://tu-muenchen.de)

K Ilgun, RA Kemmerer, PA Porras - IEEE TRANSACTIONS ON SOFTWARE ENGINEERING, 1995 - doi.ieeecs.org

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A Sundaram - Crossroads, 1996 - portal.acm.org

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R Bace, P Mell, National Institute of Standards ... - 2001 - gd.tuwien.ac.at

... can leverage a single signature to detect ... NIST Special Publication on Intrusion Detection Systems ... techniques used in anomaly detection include: • Threshold ...

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... the base classifiers; each attribute value in a ... rules with high support and confidence,
new (unseen ... continuous part of an intrusion detection system because the ...
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H Debar, A Wespi - LECTURE NOTES IN COMPUTER SCIENCE, 2001 - Springer
... positives but may also increase the number ... which results in reducing the confidence
value. ... on the scalability of the entire intrusion-detection system, on the ...
Cited by 299 - Related articles - Web Search - BL Direct - All 10 versions

A neural network component for an intrusion detection system

H Debar, M Becker, D Siboni - Research in Security and Privacy, 1992. Proceedings., 1992 ..., 1992 -
[ieeexplore.ieee.org](#)
... sigmoid function to obtain an output value, called activation ... detecting viruses on
a computer system [71 ... of this technique in the field of intrusion detection. ...
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Intrusion Detection Techniques for Mobile Wireless Networks - [PDF] ► [gatech.edu](#)

Y Zhang, W Lee, YA Huang - Wireless Networks, 2003 - Springer
... and applications, and the confidence (or certainty) in the ... Multi-layer integrated
intrusion detection and response ... and host-based IDSs analyze system call data ...
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[PDF] ► DIDS (Distributed Intrusion Detection System)-Motivation, Architecture, and an Early Prototype

SR Snapp, J Brentano, GV Dias, TL Goan, LT ... - Proceedings of the 14th National Computer Security ..., 1991 -
[www.bruegge.in.tum.de](#)
... This Rule Value (RV) represents our confidence that the rule ... 8. Conclusion Our
Distributed Intrusion Detection System (DIDS) is being developed to ...
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Bayesian event classification for intrusion detection

C Kruegel, D Mutz, W Robertson, F Valeur - Computer Security Applications Conference, 2003. Proceedings ..., 2003 - [ieeexplore.ieee.org](#)
... and the potential lack of confidence information in ... the threshold in a traditional
system and the ... to tune the sensitiv- ity of the intrusion detection system. ...
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The architecture of a network level intrusion detection system

R Heady, G Luger, A Maccabe, M Servilla - 1990 - [osti.gov](#)

... of this project is directed toward intrusion detection at the ... Since detecting an intrusion is not dependent on the ... and the attention of the system is focused ...

Cited by 159 - [Related articles](#) - [Web Search](#) - [Library Search](#)

[PDF] ► Evolving Fuzzy Classifiers for Intrusion Detection

J Gomez, D Dasgupta - Proceedings of the 2002 IEEE Workshop on Information ..., 2002 - [issri.cs.memphis.edu](#)

... This allowed to us increase the speed of ... shows how the fuzzy rule confidence value affects the ... of a Network-level Intrusion Detection System, Technical report ...

Cited by 60 - [Related articles](#) - [View as HTML](#) - [Web Search](#) - All 6 versions

[PDF] ► Model Generation for an Intrusion Detection System Using Genetic Algorithms

A Chittur, NY Ossining - High School Honors Thesis, 2002 - [docs.kstu.edu.sa](#)

... the population's mean fitness value in both ... method of certainty of whether a given connection ... on an existing Intrusion Detection System for further analysis ...

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A framework for constructing features and models for intrusion detection systems -

[ps] ► [gatech.edu](#)

W Lee, SJ Stofo - ACM Transactions on Information and System Security (TISSEC), 2000 - [portal.acm.org](#)

... as a means to combine multiple intrusion detection models ... ACM Transactions on Information and System Security, Vol ... and c support X Y support X is the confidence ...

Cited by 498 - [Related articles](#) - [Web Search](#) - [Library Search](#) - All 42 versions

Inside the Slammer Worm

D Moore, V Paxson, S Savage, C Shannon, S ... - IEEE SECURITY & PRIVACY, 2003 -

[doi.ieeecomputersociety.org](#)

... random-number generator for each salt value to have confidence of good ... Because Slammer's behavior was highly anomalous, intrusion detection system logs and ...

Cited by 406 - [Related articles](#) - [Web Search](#) - [BL Direct](#) - All 7 versions

A data mining framework for building intrusion detection models - [PDF] ► [association-aecsi.es](#)

W Lee, SJ Stofo, KW Mok - Security and Privacy, 1999. Proceedings of the 1999 IEEE ..., 1999 - [ieeexplore.ieee.org](#)

... confidence. ... Each participating site was required to build intrusion detection models or tweak their existing system parameters using the training data ...

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[book] Service specific anomaly detection for network intrusion detection - [ps] ► [gatech.edu](#)

C Krügel, T Toth, E Kirda - 2002 - ACM Press New York, NY, USA

... test should yield a high confidence in the ..., setting the threshold to a value that pro ..., open-source, signature based network intrusion detection system that has ...

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Haystack: an intrusion detection system

SE Smaha, TAS Inc, TX Austin - Aerospace Computer Security Applications Conference, 1988., ..., 1988 - [ieeexplore.ieee.org](#)

... by 2000% and its absolute value is also ... the overall impact of observations, including confidence levels ... How do we test an intrusion detection system and measure ...

Cited by 199 - [Related articles](#) - [Web Search](#) - All 2 versions

A high-performance network intrusion detection system - [PDF] ► [sunysb.edu](#)

R Sekar, Y Guang, S Verma, T Shanbhag - Proceedings of the 6th ACM conference on Computer and ..., 1999 - [portal.acm.org](#)

... to attempt to disable the intrusion detection system by any ... mentioned above can crash the intrusion de- tecti on ... flexible and ex- pressive type system that can ...

Cited by 89 - Related articles - Web Search - All 16 versions

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C Abad, J Taylor, C Sengul, W Yurcik, Y Zhou, K ... - Proceedings of the 19th Annual Computer Security ... , 2003 - doi.ieeecomputersociety.org

... [15]; they do not use the confidence level when ... as abnormal as opposed to the original 6.5 value. ... in- creases the accuracy of the intrusion detection system. ...

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Testing and evaluating computer intrusion detection systems - [PDF] ► [upv.es](#)

R Durst, T Champion, B Witten, E Miller, L ... - Communications of the ACM, 1999 - portal.acm.org

... to quickly produce high-confidence performance specifications. ... University: Fraud and Intrusion Detection for Financial Information Systems Using Meta ...

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K Ilgun, RA Kemmerer, PA Porras - IEEE TRANSACTIONS ON SOFTWARE ENGINEERING, 1995 - doi.ieeecs.org

... Intrusion detection systems should be able to anticipate an impending ... with some measure of confidence and either forewarn the system administrator or ...

Cited by 414 - Related articles - Web Search - BI, Direct - All 16 versions

[PDF] ► Intrusion Detection with Neural Networks

J Ryan, MJ Lin, R Mäkkiläinen - ADVANCES IN NEURAL INFORMATION PROCESSING SYSTEMS, 1998 - docs.kau.edu.se

... activated, indicating high certainty of identification ... the granularity of the value intervals affect ... neural network component for an intrusion detection system. ...

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